

- B<sup>1</sup>
- (c) a data conference manager for managing a data conference, during which shared data [can be shared among] is displayed on the workstation monitors of a plurality of the participants [and displayed on the monitors of their respective workstations, by utilizing a data network operating system and data network protocol of the first network];
  - (d) a second network interconnecting the workstations and providing an AV path, logically separate from the data path, for carrying AV signals among the workstations, the AV signals representing video images and spoken audio of the participants; and
  - (e) an AV conference manager, [in communication with the data conference manager and the second network,] for managing [a videoconference, during which] the reproduction of both the video image and spoken audio of one of the participants [can be reproduced] at the workstation of another of the participants by utilizing [the data] a network operating system and a [data network] protocol of the first network.

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7 [6]. (Once Amended) The teleconferencing system of claim 6 wherein the AV path is implemented with the remaining two pairs of an existing four-pair unshielded twisted pair wiring installation, one pair of which implements the data path.

8. (Once Amended) The teleconferencing system of claim 2 further comprising:
- (a) at least one signal router for routing at least the AV signals among the participant's workstations [in such a way] so as to optimize the carrying of AV signals between the workstations.

9. (Once Amended) The teleconferencing system of claim 8, wherein the router optimizes the signal routing based on any one or more criteria from the group of criteria consisting of the actual state of the AV path, the anticipated state of the AV path, the cost of use of the AV path and the direction of the AV signals flow on the AV path.

[Delete Claims 10 to 15.]

16. (Once Amended) A method of conducting a teleconference among a plurality of participants comprising the steps of:

- B<sup>2</sup>
- (a) capturing [and reproducing] video images and spoken audio of the participants [on] for reproduction at a plurality of participant workstations, each having a monitor;
  - (b) sharing data among [a] the plurality of the workstations along a first network [providing a data path];
  - (c) managing a data conference, during which the shared data [can be shared among] is displayed on the workstation monitors of [a plurality of] the participants [and displayed on the monitors of their respective workstations, by utilizing a data network operating system and data network protocol of the first network];
  - [(d) interconnecting the workstations with a second network providing an AV path, logically separate from the data path, for carrying AV signals, representing video images and spoken audio of the participants among the workstations;] and
  - (d) [(e)] managing a videoconference[, during which] by controlling the reproduction of both the video image and spoken audio of one of the participants [can be reproduced] at the

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